

1627



1600

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/646,353B

DATE: 07/19/2002 P.6  
TIME: 14:53:50

Input Set : A:\273884.app

Output Set: N:\CRF3\07192002\I646353B.raw

#14

3 <110> APPLICANT: CHOO, YEN  
 4 ISALAN, MARK  
 6 <120> TITLE OF INVENTION: NUCLEIC ACID BINDING PROTEINS  
 8 <130> FILE REFERENCE: 71278/273884  
 10 <140> CURRENT APPLICATION NUMBER: 09/646,353B  
 C--> 11 <141> CURRENT FILING DATE: 2002-07-03  
 13 <150> PRIOR APPLICATION NUMBER: GB 9805576.7  
 14 <151> PRIOR FILING DATE: 1998-03-17  
 16 <150> PRIOR APPLICATION NUMBER: GB 9806895.0  
 17 <151> PRIOR FILING DATE: 1998-03-31  
 19 <150> PRIOR APPLICATION NUMBER: GB 9807246.5  
 20 <151> PRIOR FILING DATE: 1998-04-03  
 22 <160> NUMBER OF SEQ ID NOS: 80  
 24 <170> SOFTWARE: PatentIn Ver. 2.1  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 26  
 28 <212> TYPE: PRT  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
 34 <400> SEQUENCE: 1  
 35 Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp  
 36 1 5 10 15  
 38 Leu Val Lys His Gln Arg Thr His Thr Gly  
 39 20 25  
 41 <210> SEQ ID NO: 2  
 42 <211> LENGTH: 29  
 43 <212> TYPE: PRT  
 44 <213> ORGANISM: Artificial Sequence  
 46 <220> FEATURE:  
 47 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
 49 <400> SEQUENCE: 2  
 50 Pro Tyr Lys Cys Ser Glu Cys Gly Lys Ala Phe Ser Gln Lys Ser Asn  
 51 1 5 10 15  
 53 Leu Thr Arg His Gln Arg Ile His Thr Gly Glu Lys Pro  
 54 20 25  
 56 <210> SEQ ID NO: 3  
 57 <211> LENGTH: 5  
 58 <212> TYPE: PRT  
 59 <213> ORGANISM: Artificial Sequence  
 61 <220> FEATURE:  
 62 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
 64 <400> SEQUENCE: 3

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65 Thr Gly Glu Lys Pro
66   1           5
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69 <211> LENGTH: 9
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
75     oligonucleotide
77 <220> FEATURE:
78 <221> NAME/KEY: modified_base
79 <222> LOCATION: (5)
80 <223> OTHER INFORMATION: 5-methyl cytosine, Thymine or Cytosine
82 <400> SEQUENCE: 4
W--> 83 gcggnnggcg                                     9
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 10
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc Finger
93     peptide
95 <400> SEQUENCE: 5
96 Arg Glu Asp Val Leu Ile Arg His Gly Lys
97   1           5           10
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 10
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
108 <400> SEQUENCE: 6
109 Arg Ala Asp Ala Leu Met Val His Lys Arg
110   1           5           10
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 10
115 <212> TYPE: PRT
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
121 <400> SEQUENCE: 7
122 Arg Gly Pro Asp Leu Ala Arg His Gly Arg
123   1           5           10
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 10
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide

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134 <400> SEQUENCE: 8
135 Arg Ala Asp Ala Leu Met Val His Lys Arg
136   1           5           10
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141 <212> TYPE: PRT
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
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149   1           5           10
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 10
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
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162   1           5           10
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 60
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
172     oligonucleotide
174 <400> SEQUENCE: 11
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178 <210> SEQ ID NO: 12
179 <211> LENGTH: 39
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
185     oligonucleotide
187 <220> FEATURE:
188 <221> NAME/KEY: modified_base
189 <222> LOCATION: (8)..(11)
190 <223> OTHER INFORMATION: GGMC or GMGC, where M is 5-Methyl Cytosine
192 <400> SEQUENCE: 12
W--> 193 tatagtgnnn nggcgtgtca cagtcagttcc acacacgtc      39
196 <210> SEQ ID NO: 13
197 <211> LENGTH: 9
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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Input Set : A:\273884.app

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```

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206 ggcccggcg                                     9
209 <210> SEQ ID NO: 14
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211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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218 <400> SEQUENCE: 14
219 gcgccggcg                                     9
222 <210> SEQ ID NO: 15
223 <211> LENGTH: 39
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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231 <220> FEATURE:
232 <221> NAME/KEY: modified_base
233 <222> LOCATION: (10)
234 <223> OTHER INFORMATION: 5-Methyl Cytosine
236 <400> SEQUENCE: 15
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241 <211> LENGTH: 39
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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249 <220> FEATURE:
250 <221> NAME/KEY: modified_base
251 <222> LOCATION: (9)
252 <223> OTHER INFORMATION: 5-Methyl Cytosine
254 <400> SEQUENCE: 16
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259 <211> LENGTH: 39
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
265      oligonucleotide
267 <220> FEATURE:
268 <221> NAME/KEY: modified_base
269 <222> LOCATION: (10)
270 <223> OTHER INFORMATION: 5-Methyl Cytosine, Thymine or Cytosine

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## RAW SEQUENCE LISTING

DATE: 07/19/2002

PATENT APPLICATION: US/09/646,353B

TIME: 14:53:50

Input Set : A:\273884.app

Output Set: N:\CRF3\07192002\I646353B.raw

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272 <400> SEQUENCE: 17
W--> 273 tatagtgggn cggcgtgtca cagtcagtcc acacacgtc 39
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277 <211> LENGTH: 39
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
283     oligonucleotide
285 <220> FEATURE:
286 <221> NAME/KEY: modified_base
287 <222> LOCATION: (9)
288 <223> OTHER INFORMATION: 5- Methyl Cytosine, Thymine or Cytosine
290 <400> SEQUENCE: 18
W--> 291 tatagtggng cggcgtgtca cagtcagtcc acacacgtc 39
294 <210> SEQ ID NO: 19
295 <211> LENGTH: 39
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
301     oligonucleotide
303 <400> SEQUENCE: 19
304 tatagtgggt cggcgtgtca cagtcagtcc acacacgtc 39
307 <210> SEQ ID NO: 20
308 <211> LENGTH: 7
309 <212> TYPE: PRT
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
314     peptide
316 <400> SEQUENCE: 20
317 Arg Ser Asp Glu Leu Thr Arg
318   1           5
321 <210> SEQ ID NO: 21
322 <211> LENGTH: 7
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
328     peptide
330 <400> SEQUENCE: 21
331 Arg Ser Asp Glu Leu Thr Arg
332   1           5
335 <210> SEQ ID NO: 22
336 <211> LENGTH: 7
337 <212> TYPE: PRT
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/646,353B

DATE: 07/19/2002  
TIME: 14:53:51

Input Set : A:\273884.app  
Output Set: N:\CRF3\07192002\I646353B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 5  
Seq#:12; N Pos. 8,9,10,11  
Seq#:15; N Pos. 10  
Seq#:16; N Pos. 9  
Seq#:17; N Pos. 10  
Seq#:18; N Pos. 9  
Seq#:35; N Pos. 4  
Seq#:37; N Pos. 3  
Seq#:40; Xaa Pos. -13,-11,-10,-9,-8,-6,-5,-4,-2,-1,1,2,3,5,6,8,9,10  
Seq#:46; N Pos. 4  
Seq#:48; N Pos. 3  
Seq#:50; N Pos. 3  
Seq#:53; N Pos. 4  
Seq#:55; N Pos. 5  
Seq#:57; N Pos. 5  
Seq#:58; N Pos. 5  
Seq#:60; Xaa Pos. 16,17,18,19,21,22,24,25  
Seq#:67; N Pos. 29  
Seq#:70; N Pos. 29  
Seq#:73; N Pos. 29  
Seq#:76; N Pos. 28  
Seq#:79; N Pos. 29

## VERIFICATION SUMMARY

DATE: 07/19/2002

PATENT APPLICATION: US/09/646,353B

TIME: 14:53:51

Input Set : A:\273884.app

Output Set: N:\CRF3\07192002\I646353B.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:15  
L:726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0  
L:757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0  
L:832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0  
L:863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0  
L:894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0  
L:912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0  
L:962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0  
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:16  
L:1071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0  
L:1117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0  
L:1163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0  
L:1209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0  
L:1255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0